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DATE: April 13, 2004

PTO IDENTIFIER: Application Number 09/670756-Conf. #6507
Patent Number

Inventor: Kenneth RHODES et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (703) 872-9306

FROM: LAHIVE & COCKFIELD, LLP

Jonathan M. Sparks, Ph.D.

PHONE: (617) 227-7400

Attorney Dkt. #: AHN-070CP4

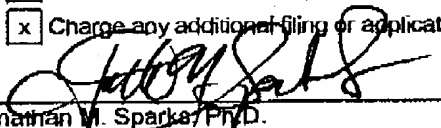
PAGES (Including Cover Sheet): 15

CONTENTS: Amendment Transmittal (1 page);
Amendment and Response to Final Office Action (9 pages)
Associate Power of Attorney (1 page), and
Certificate of Transmission under 37 CFR 1.8 (1 page).

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AMENDMENT TRANSMITTAL LETTER				Docket No. AHN-070CP4	
Application No. 09/670756-Conf. #6507		Filing Date September 27, 2000		Examiner J. F. Murphy	
				Art Unit 1646	
Applicant(s): Kenneth RHODES <i>et al.</i>					
Invention: POTASSIUM CHANNEL INTERACTORS AND USES THEREFOR					
TO THE COMMISSIONER FOR PATENTS Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	22	- 54 =	0	x	0.00
Independent Claims	7	- 15 =	0	x	
Multiple Dependent Claims (check if applicable) <input checked="" type="checkbox"/>					
Other fee (please specify):					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					0.00
<input checked="" type="checkbox"/> Large Entity <input type="checkbox"/> Small Entity					
<input checked="" type="checkbox"/> No additional fee is required for this amendment.					
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of \$ _____ A duplicate copy of this sheet is enclosed.					
<input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
<input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>12-0080</u> as described below. A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> Credit any overpayment.					
<input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
 Jonathan M. Sparks, Ph.D. Attorney Reg. No.: 53,624 LAHIVE & COCKFIELD, LLP 28 State Street Boston, Massachusetts 02109 (617) 227-7400				Dated: <u>April 13, 2004</u>	

PTO/SB/97 (12-97)

Approved for use through 9/30/00. OMB 0651-0031

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Amendment Transmittal (1 page);
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Rhodes, K. *et al.*

Serial No.: 09/670,756

Filed: September 27, 2000

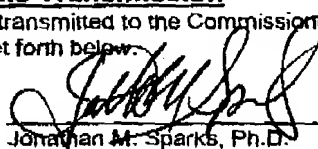
For: *POTASSIUM CHANNEL INTERACTORS AND
USES THEREFOR*Attorney Docket No.: AHN-070CP4
(Previously MNI-070CP4)

Group Art Unit: 1646

Examiner: Murphy, Joseph F.

Commissioner for Patents
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P.O. Box 1450, Alexandria, VA 22313-1450 on the date set forth below.April 13, 2004
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By:


Jonathan M. Sparks, Ph.D.
Agent for Applicants
Reg. No.: 53,624**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

Dear Sir:

This communication is responsive to the Office Action dated January 13, 2004. Please
amend the above-identified application as follows.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this
paper.

Remarks/Arguments begin on page 5.